

15721 agtttttct taaatgggtat aatatccagt atgaagtatt actgaatttg agtaatcatt
aacaatatata ttca[ctgcc atactgtata ccagg]cttcc tt[ctagggcc cagaaatata
ag]ctgggttaa.gatccttgat tgattgagat tacattctaa caggtacagt agacttaata
gctaatatca gaaaagatta gcagatttat tcaactgtgtt attgtactt ttattctcca
tttgccttac cctgtatttg aagaaagttt tgccttgctt ttgatgtga atgaaattaa
gcttggattt cacaaccgtg gttgaattta agaaatgttc tatttttaca tggggaagac
ggtgctcaag taatacttgc aggtactagc acccaggatt taggagtcca gtccagttt
agctacacaa aagtcttaag tacacaaatt gccaatagag cagaactata taattcatag
attgtctcat tattaatctc aaggaaatca gctctttaa tatatgtatt taatgaatgt
gaaatttttg ggaaggggaa ctactatgta ttaagccata atatttatt tacttaaaaa
attttaaac aaagtaatac tagtcattgt gagaatgcta ttctaaaaa aaaaaaagtc
ccctggccac ctctctttc catccctaga gaccgaacat ttcaaaaatt tgtagctact
tcttctactt agcctccatg tattaaacta atatgt[gtaa taagaataat ccgggg]gagg Beginning of L1 5'
agcca[agatg gccgaatagg aacag]ctccg gtctacagct cccagcgtga 14892 regulatory region

Figure 1. Primer pairs for PCR amplification of the L1 element at 184.5M from ptel on chromosome 1q. Nucleotides 15,721 to 14,892 of BAC clone AL162431 were analyzed to identify nt sequences of primary 5' and 3' PCR primers (solid lines) and secondary nested 5' and 3' primers (dotted lines), shown bracketed, for amplification of a chromosomal segment that is specific to the chromosome 1q location 5' to the L1 sequence, along with the adjacent 5' regulatory region of the L1 element. 5' primary and secondary nested primers are identical to the indicated sequences. 3' primary and secondary nested primers are complementary to the indicated sequences.

TOO "22" T025200T

Figure 2.

Expression of Full Length L1 Elements on Chromosome 1

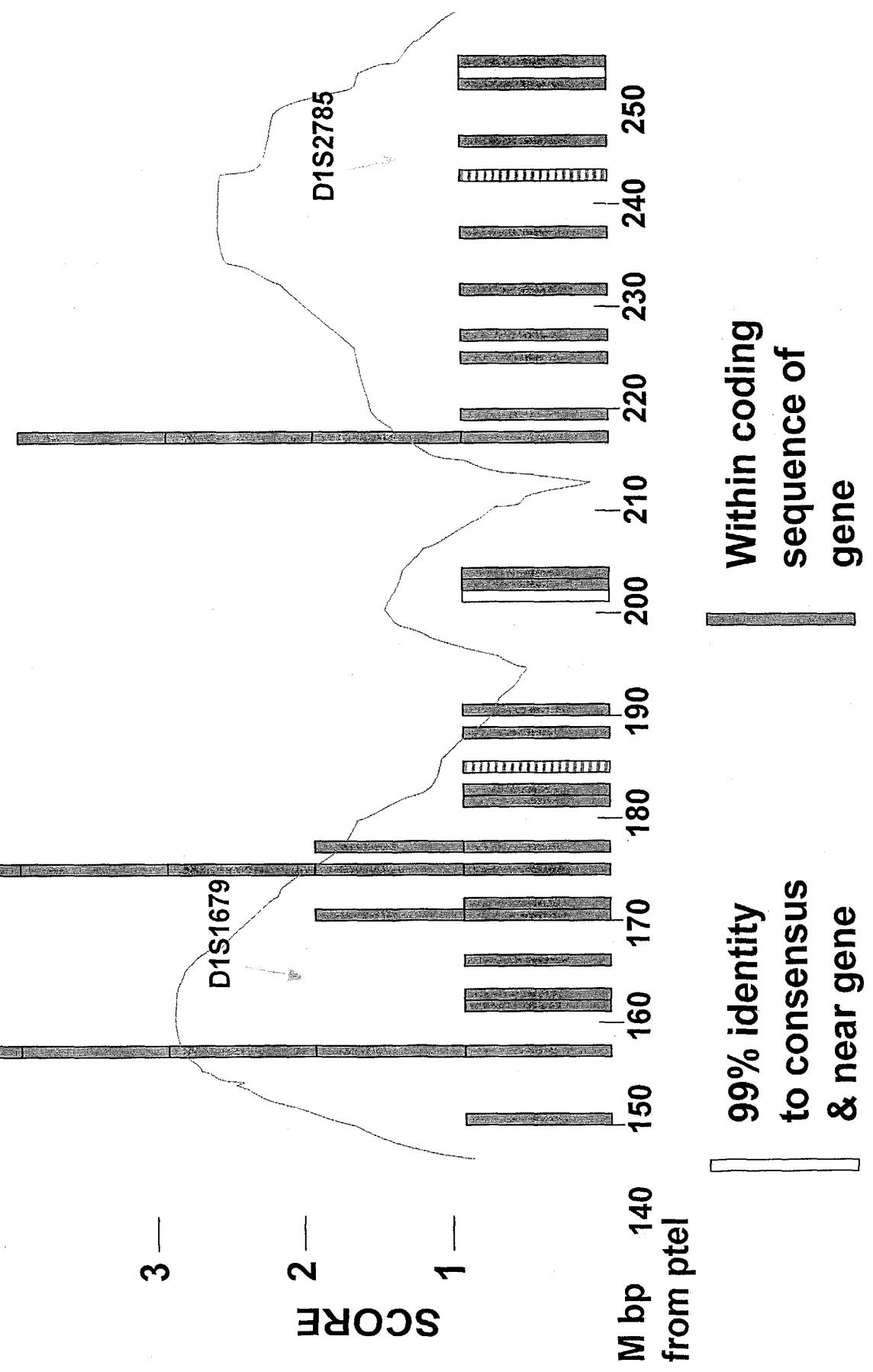


Figure 3.

Expression of Full Length L1 Elements on Chromosome 16

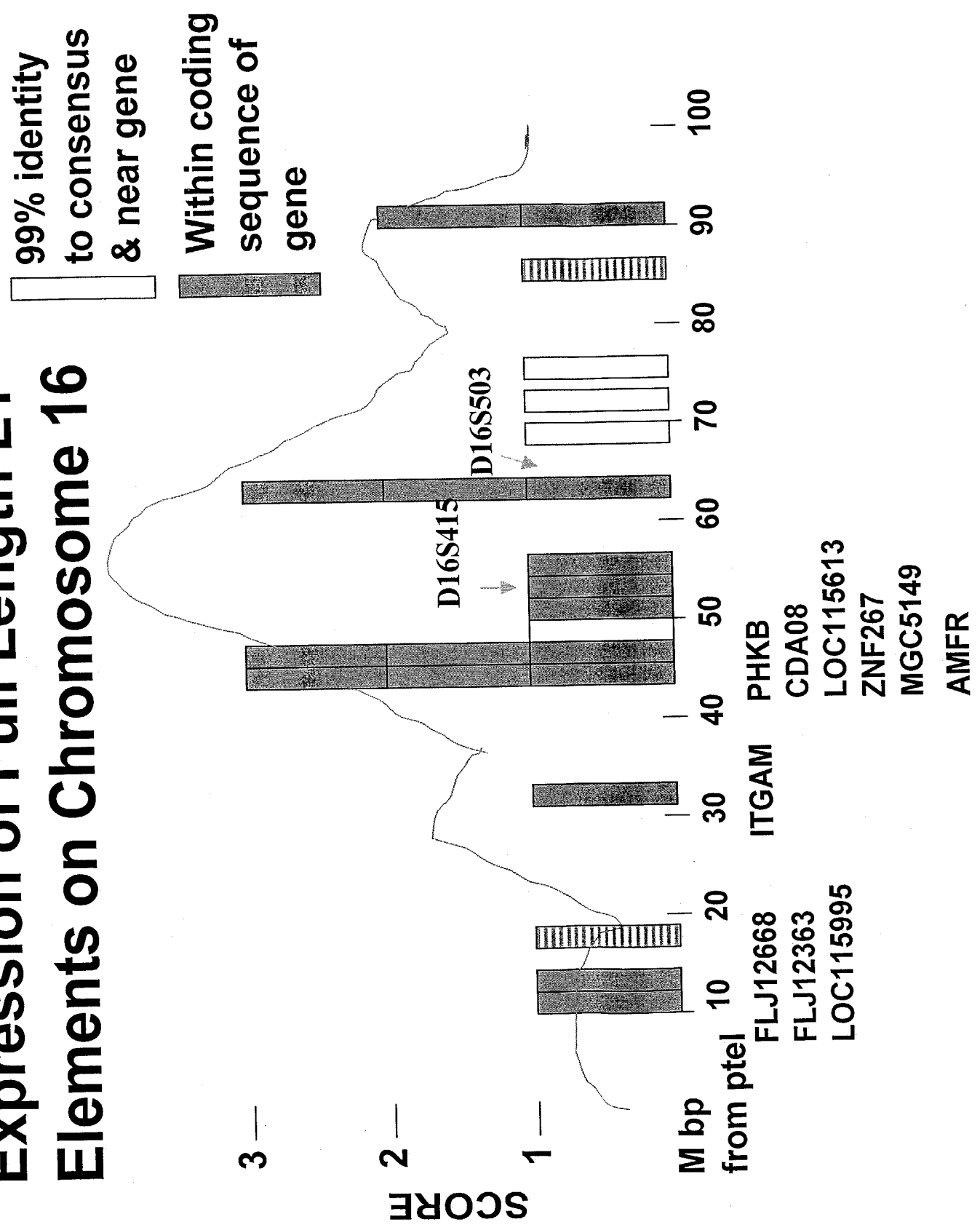
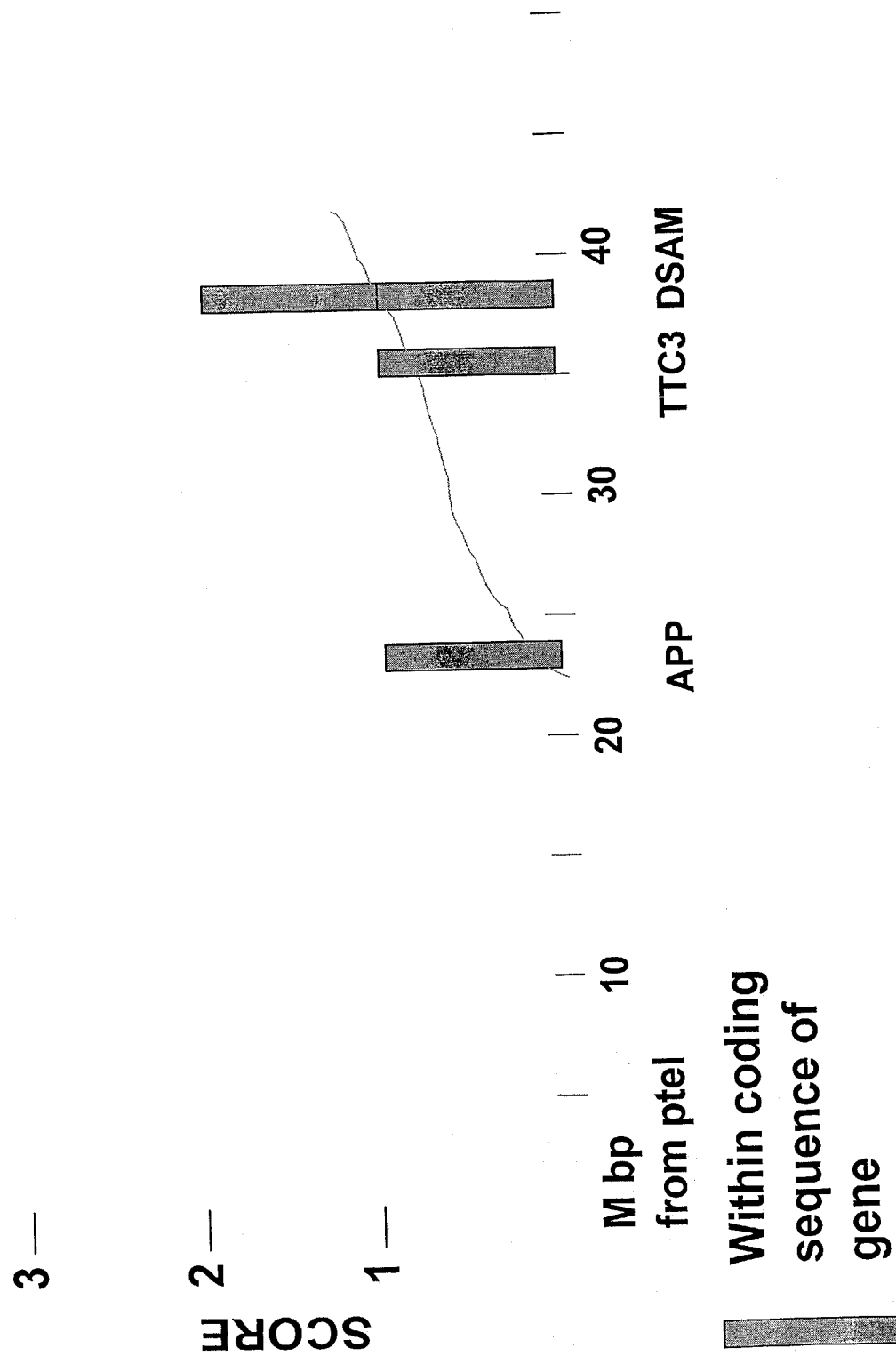


Figure 4.

Expression of Full Length L1 Elements on Chromosome 21



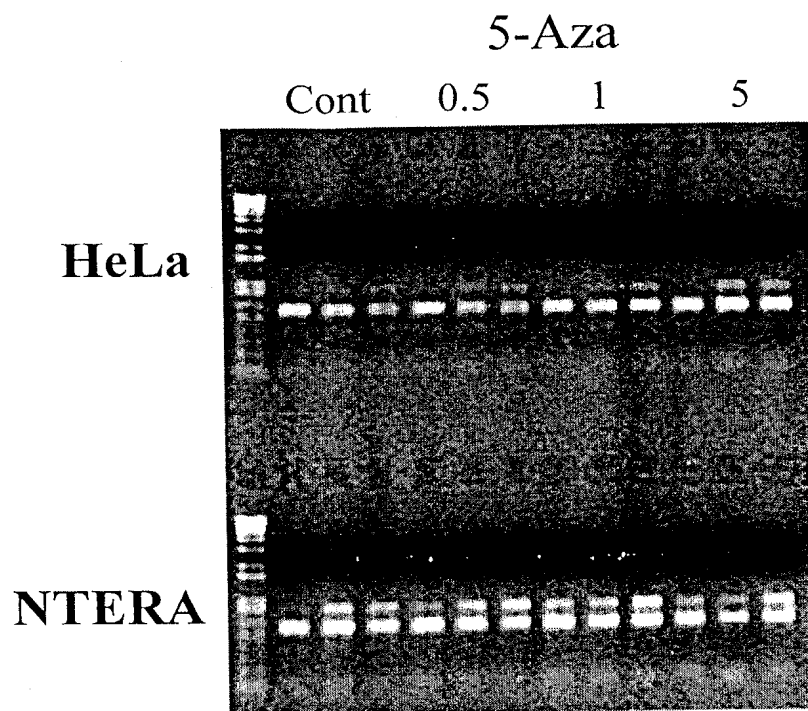


FIGURE 5

5-Aza

1 2 3

95 kD

40 kD

NTERA	NTERA	HeLa
RNP	Total	RNP
Fraction	Cell	Fraction
	Extract	

FIGURE 6A

1005501-121901

5-Aza

1 2

95 kD 

40 kD 

SLE	SLE
T-Cells	Non-T
	Cells

FIGURE 6B

1002501 121501

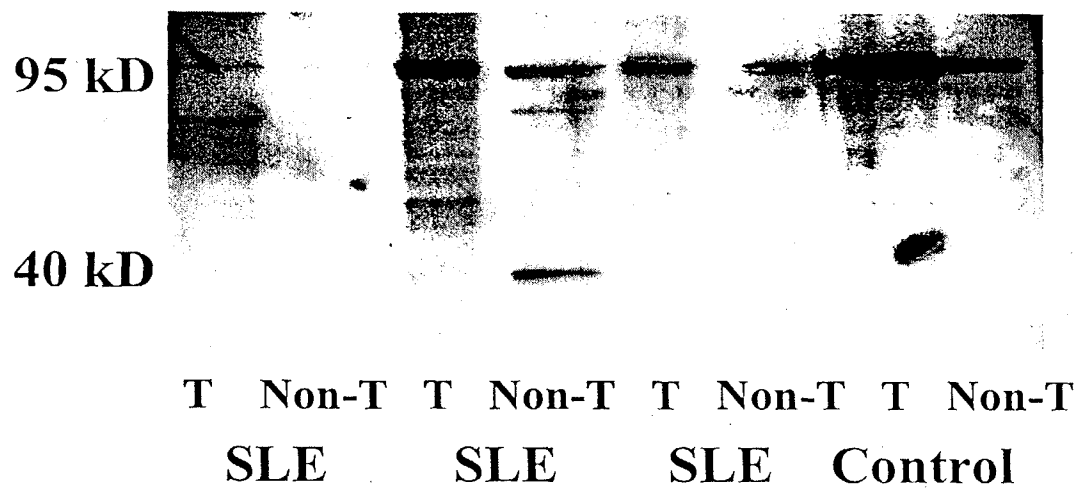


FIGURE 6C

10025301-121901

Figure 7.

Anti- L1 p40 Autoantibody in Human Sera

